
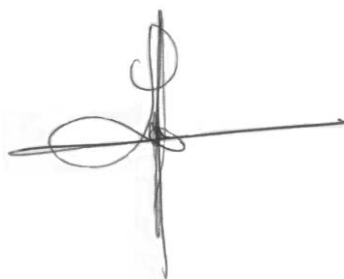


<p>Espace Jacques Louis Lions 4 traverse Dupont 06130 Grasse France contact@botanicert.com</p>		<p>Analysis report – P6954-V2</p>
--	--	-----------------------------------

PROJECT	6954
CUSTOMER	C346 - UHTCO Corporation GmbH
OBJECTIVE	HPLC: identification of <i>Myrciaria dubia</i> (Kunth) McVaugh
LABORATORY	BOTANICERT
METHOD	Internal method
ANALYSTS	JD & LL
DATE OF RECEPTION	2019.04.03

DATE: 2019-11-29
ANALYST: Loïc Loffredo

DATE: 2019-11-29
APPROVED: Francis Hadji-Minaglou



BOTANICERT
Certification botanique
et Phyto-chimique
Espace Jacques-Louis Lions
4, Traverse Dupont
06130 Grasse - France
Tél : +33 (0)4 89 85 60 27
email : contact@botanicert.com



The statements and interpretations contained in this report is the opinion of Botanicert Laboratory. Test results correspond to samples listed only and cannot be generalized. This report or any part of it will not be copied without written permission from Botanicert Laboratory

Botanical and phytochemical authentication


SAS capital of 88750 Euros, **NFA** : 7112B ; **RCS** : 529.468.134 Grasse ; **Siret** : 529.468.13400018

VAT number: FR23529468134



SUMMARY

1. HPLC ANALYSIS.....	3
1.1. Samples and standards.....	3
1.2. Instruments.....	3
1.3. Sample preparations.....	3
1.4. Detection.....	3
1.5. HPLC chromatograms.....	3
1.5.1. Chromatogram of the botanical reference.....	3
1.5.2. Chromatogram of the customer's sample.....	4
1.5.3. Overlay.....	4
2. GENERAL CONCLUSION.....	5

<p>Espace Jacques Louis Lions 4 traverse Dupont 06130 Grasse France contact@botanicert.com</p>		<p>Analysis report – P6954-V2</p>
--	---	-----------------------------------

1. HPLC ANALYSIS

1.1. Samples and standards

N°	DESCRIPTION	BATCH
CS9243	Camu Camu C++ Powder, organic	3188
BS1128	<i>Myrciaria dubia</i> (Kunth) McVaugh	Botanical reference

1.2. Instruments

NAME, ARTICLE	MANUFACTURER
UHPLC Acquity H-Class, PDA, ELSD, SQD	WATERS
Ultrasonic bath	VWR
Analytical balance	OHAUS-Pioneer

1.3. Sample preparations

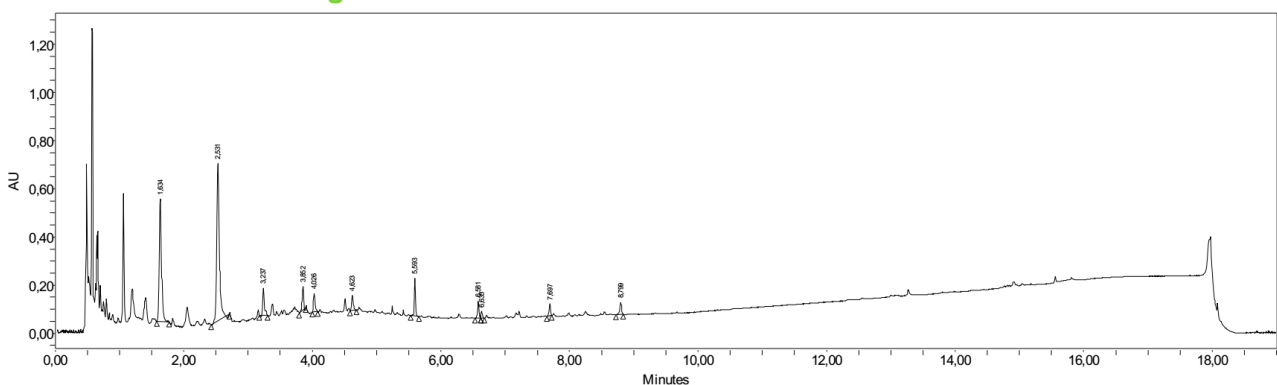
SAMPLE NUMBER	DESCRIPTION
S30310	1,0306 g de CS9243 + 10,0323 g de H2O + 0,05% AF
S30311	0,9572 g de BS1128 + 9,5132 g de H2O + 0,05% AF

1.4. Detection

- Detector : PDA
- Range : Max plot

1.5. HPLC chromatograms

1.5.1. Chromatogram of the botanical reference

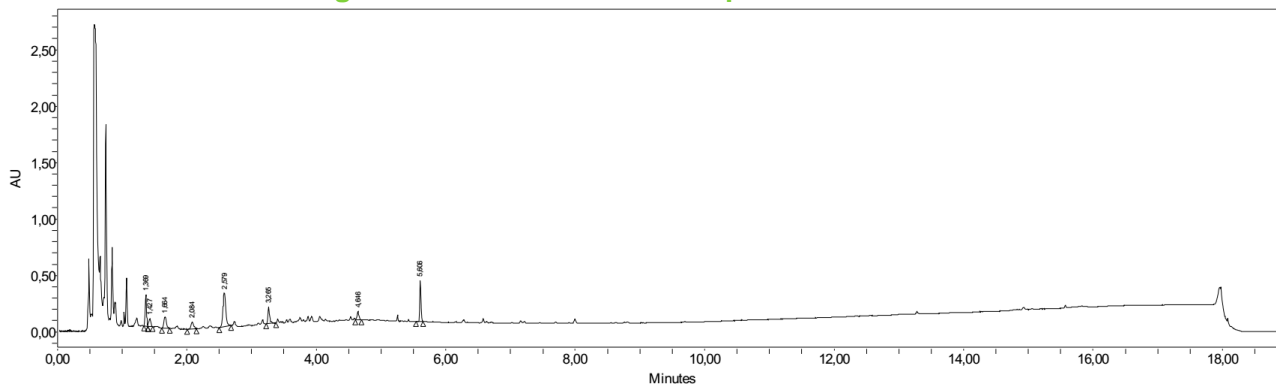


Botanical and phytochemical authentication

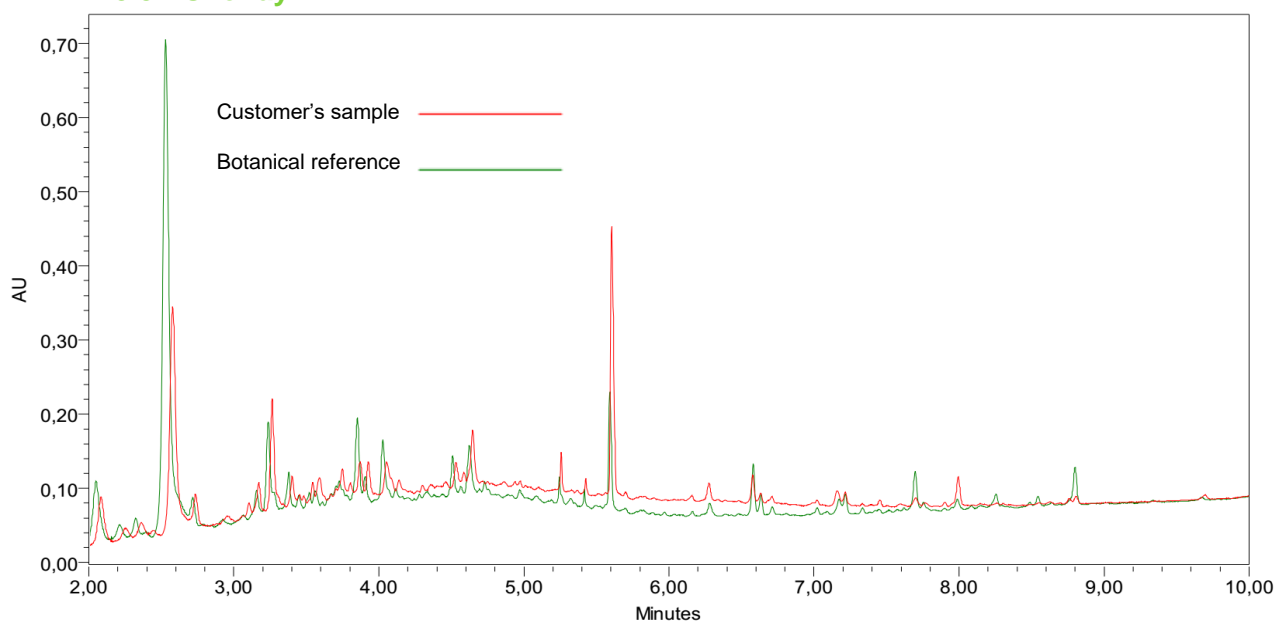
SAS capital of 88750 Euros, **NFA** : 7112B ; **RCS** : 529.468.134 Grasse ; **Siret** : 529.468.13400018

VAT number: FR23529468134


1.5.2. Chromatogram of the customer's sample



1.5.3. Overlay



The expected specific markers of *Myrciaria dubia* (Kunth) McVaugh are found in the customer's sample. The HPLC profile of the customer's sample is similar to the botanical reference. The ratios of the compounds of interest are mainly respected and it does not seem that there is any spiking in ascorbic acid in the sample. We cannot conclude about the naturality of any compound but the overall profile is compliant and the sample still looks of good quality.

<p>Espace Jacques Louis Lions 4 traverse Dupont 06130 Grasse France contact@botanicert.com</p>		<p>Analysis report – P6954-V2</p>
--	---	-----------------------------------

2. GENERAL CONCLUSION

The HPLC analysis allows to conclude that the customer's sample can be identified as a sample of *Myrciaria dubia* (Kunth) McVaugh

CUSTOMER'S SAMPLE	INTERNAL BATCH NUMBER	BATCH NUMBER	PHYTOCHEMICAL IDENTIFICATION
Camu Camu C++ Powder, organic	CS9243	3188	Compliant